

CLAIMS

What is claimed is:

1. A jack assembly for minimizing alien crosstalk, comprising:
a plurality of jacks;
a frame for receiving said plurality of jacks, said frame being configured to minimize a number of said jacks sharing a common plane.
2. The jack assembly of claim 1, wherein said plurality of jacks includes a number of adjacent jacks, and wherein no said common plane includes more than two said adjacent jacks.
3. The jack assembly of claim 1, wherein said plurality of jacks includes a number of adjacent jacks, said adjacent jacks being offset with respect to one another by no less than approximately a predetermined distance and a predetermined angle.
4. The jack assembly of claim 3, wherein at least a first component of said predetermined distance is approximately one-half the height of one of said jacks.
5. The jack assembly of claim 3, wherein if a number of said adjacent jacks is offset by less than approximately a predetermined distance, a shield structure is configured to separate said number of said adjacent jacks from one another.
6. The jack assembly of claim 3, wherein if a number of said adjacent jacks is offset by no less than approximately a predetermined distance, same said adjacent jacks are not separated from one another by a shield structure.

7. The jack assembly of claim 3, wherein said adjacent jacks are offset with respect to one another such that no more than two of said adjacent jacks share said common plane.

8. The jack assembly of claim 1, wherein said jacks are offset with respect to one another such that no two said jacks share a common vertical plane.

9. The jack assembly of claim 1, wherein said jacks are offset with respect to one another such that no two said jacks share a common horizontal plane.

10. The jack assembly of claim 1, wherein said jacks are oriented at dissimilar angles with respect to one another, said dissimilar angles differing by at least a predetermined extent.

11. The jack assembly of claim 10, wherein said plurality of jacks includes a number of adjacent jacks, said adjacent jacks being positioned such that no two said adjacent jacks have generally parallel orientations.

12. The jack assembly of claim 1, wherein said jacks are positioned at staggered depths with respect to one another, said staggered depths differing by at least a predetermined distance.

13. The jack assembly of claim 12, wherein said plurality of jacks includes a number of adjacent jacks, said adjacent jacks being positioned such that no two said adjacent jacks share a common lateral plane.

14. The jack assembly of claim 1, wherein said jacks include at least one pair of adjacent jacks inverted with respect to one another.

15. The jack assembly of claim 14, wherein said pair of adjacent jacks includes a first jack having first mating pins and a second jack having second mating pins, said pair of adjacent jacks being configured such that said first mating pins and said second mating pins do not share a common horizontal plane.

16. The jack assembly of claim 1, further comprising a number of shield structures, wherein said shield structures are positioned to separate adjacently positioned sets of said jacks.

17. The jack assembly of claim 16, wherein said number of shield structures are permanently fixed to said frame and extend away from said frame to separate said adjacently positioned sets of said jacks from one another.

18. The jack assembly of claim 1, further comprising a signal compensator configured to adjust a signal to compensate for alien crosstalk between said jacks.

19. A jack assembly for minimizing alien crosstalk, comprising:
a plurality of jacks; and
a frame configured for receiving said plurality of jacks such that any three said jacks having substantially similar conductor arrangements are offset with respect to one another, said three jacks including a first jack, a second jack, and a third jack;
wherein said first jack is offset from said second jack by approximately a first distance and from said third jack by approximately a second distance.

20. The jack assembly of claim 19, wherein a component of said first distance and a component of said second distance are each no less than approximately one-half the height of one of said three jacks.

21. The jack assembly of claim 19, wherein said first jack is offset from an orthogonal plane of said second jack by approximately a first angle and from an orthogonal plane of said third jack by approximately a second angle, said first angle and said second angle each being no less than approximately a predetermined extent.

22. The jack assembly of claim 19, wherein no more than two of said three jacks share a common plane.

23. The jack assembly of claim 19, wherein none of said three jacks within approximately two inches of one another are within a common orthogonal plane.

24. The jack assembly of claim 19, wherein none of said three jacks shares a common vertical plane.

25. The jack assembly of claim 19, wherein none of said three jacks shares a common horizontal plane.

26. The jack assembly of claim 19, wherein if a number of said three jacks are offset by less than approximately a predetermined distance, a shield structure is configured to separate said number of said three jacks from one another.

27. The jack assembly of claim 19, wherein if a number of said three jacks are offset by no less than approximately a predetermined distance, same said three jacks are not separated from one another by a shield structure.

28. The jack assembly of claim 19, wherein said three jacks are positioned at dissimilar depths with respect to one another, said dissimilar depths differing by no less than approximately a predetermined distance.

29. The jack assembly of claim 19, wherein said three jacks are positioned at dissimilar angles with respect to one another, said dissimilar angles differing by no less than approximately a predetermined extent.

30. The jack assembly of claim 19, further comprising a number of shield structures, wherein said shield structures are positioned to separate said three jacks from one another.

31. The jack assembly of claim 19, further comprising a signal compensator configured to adjust a signal to compensate for alien crosstalk between said three jacks.

32. A jack assembly for minimizing alien crosstalk, comprising:
a plurality of jacks including a number of adjacent jacks; and
a frame configured to receive said plurality of jacks such that said adjacent jacks are positioned at dissimilar angles with respect to each other.

33. The jack assembly of claim 32, wherein said dissimilar angles differ by at least approximately a predetermined extent.

34. The jack assembly of claim 32, wherein no two jacks of said plurality of jacks have generally parallel orientations.

35. The jack assembly of claim 32, wherein said adjacent jacks are laterally offset with respect to one another by at least approximately a predetermined distance and a predetermined angle.

36. The jack assembly of claim 32, wherein said adjacent jacks are positioned at staggered depths with respect to one another.

37. The jack assembly of claim 32, further comprising a number of shield structures, wherein said shield structures are positioned to separate said adjacent jacks from one another.

38. The jack assembly of claim 32, further comprising a signal compensator configured to adjust a signal to compensate for alien crosstalk between said adjacent jacks.

39. The jack assembly of claim 32, wherein said adjacent jacks include any set of said jacks positioned within approximately two inches of one another.

40. A jack assembly for minimizing alien crosstalk, comprising:
a plurality of jacks including a number of adjacent jacks;
a frame configured to receive said plurality of jacks such that said adjacent jacks are positioned at staggered depths with respect to each other.

41. The jack assembly of claim 40, wherein said staggered depths differ by at least approximately a predetermined distance.

42. The jack assembly of claim 40, wherein no two said adjacent jacks share a common lateral plane.

43. The jack assembly of claim 40, wherein said adjacent jacks are laterally offset with respect to one another by at least approximately a predetermined distance and a predetermined angle.

44. The jack assembly of claim 40, wherein said adjacent jacks are oriented at dissimilar angles with respect to one another.

45. The jack assembly of claim 40, further comprising a number of shield structures, wherein said shield structures are positioned to separate said adjacent jacks from one another.

46. The jack assembly of claim 40, further comprising a signal compensator configured to adjust a signal to compensate for alien crosstalk between said adjacent jacks.

47. The jack assembly of claim 40, wherein said adjacent jacks include any set of said jacks positioned within approximately two inches of one another.